

Meeting Description: Michigan Geographic Framework Users Meeting

Date: June 2, 2005

Time: 10:00 a.m.

Location: Michigan Center for Geographic Information, George W. Romney Building, 10th Floor, Conference Room

- I. Approval of Meeting Minutes
- II. Geographic Framework Program
 - A. Framework Activities Update
 - B. Digital Ortho Update
 - C. NHD Update
 - D. Reorganization

A. Framework Activities Update

Krisanne McConnell, Center for Geographic Information (CGI) we are in the process of special deliveries to Michigan Department of Transportation (MDOT) and the State Police, a few of those have gone out. We're working on reorganizing the way we do shape files to get them up on the Web site. We will let people know when they get posted. We are also working on some planning and reorganization for this next year, prioritizing some of our tasks.

Rob Surber (CGI) one of the areas we are working on is putting linear referencing on all of the rail system. That will be done shortly. It is just a matter prioritizing, trying to find out where everything fits in. Our goal is to have a complete work plan set up and we will share with everyone as we go along.

A couple of more items regarding Framework, we are working over the summer on a modernization plan for Framework development and maintenance. We are making a serious commitment on staffing and resources over the summer. We have a number of things coming into play, one of which is the QVF project modernization. It will have to be supported by a little more modern architecture. The QVF to the map project is going to be a key feeder or service from the Framework. We are working on a detailed work plan and one of the things that will come out of that is a communication plan. There will be a significant difference between a GIS partner community and a non-GIS partner community. Information will be relatively the same, but how we get there and the role of GIS is going to be vastly different. We will be presenting to communities what their options will be depending on if they are in partnership or whether they are not. We will have machinery in place to address that. It is a very large project. It is multi-year with a lot of aspects to it. We are taking the whole migration of addresses through that process over the summer. This is to pilot the whole process from start to finish. It will help us to determine the windows of opportunity in the time line. We will be conducting educational training sessions as well. We plan on combining these Education training sessions with the Department of State (MDOS). The MDOS already has a program in place to train clerks. We will tie into that. The clerks need to see the benefits of working with GIS. This will be an opportunity to get people on board. So, by the end of the summer we will have locked down the plan. The goal is to work with the QVF system

communities. There are 500 of them with a population of 5000 people and above. If they are below 5000 in the communities and townships they work with the county. This gives opportunity to counties, who may have smaller townships who want to participate. All of the QVF communities have a point of presence for this project. They got equipment and Internet connections. We are trying to leverage existing infrastructure, so that all of the tools would use that same Internet connection. It is really a change in how we are managing Framework.

B. Digital Ortho Update

Rob (CGI) we are working on establishing some final agreements on recently flown flights. We are looking to get an initial survey out for counties and communities for 2006. We would like to know more definitively who is interested for planning purposes in working with USGS (United States Geological Survey).

Discussion regarding how many partnerships there are right now – there are 10 or 11 and for the most part they are county based. There was also discussion regarding when the imagery will be up on the web. There is the statewide mosaic form just about in place. Then under the new SDE (Spatial Database Engine) model we will have to see what the load schedule is.

C. NHD Update

Everett Root (CGI) I went to Rolla, Missouri last week and took the NHD (National Hydrologic Data) training. It is a very impressive system that they have put together to do this work. I worked with Dave Nail, the NHD coordinator. I brought back all of the tools and will begin the process of the 6 sub-basins in Southeast Michigan. They do their work by quads and then seam the quads back together. We will work by sub-basin (watersheds) here. Then we will submit the final product to them for their quality control.

Discussion regarding what was updated on the quads – the NHD that is now available statewide is 1 – 100,000. The new high resolution NHD is 1- 24,000 or better. Will use Framework as the target. Such as using the conflation process to take the 1-100,000 to 1 – 24,000 with enhancements from any local data we can acquire. In the 1 – 24,000 bridges are marked, and underground drains are identified if named. We will make adjustments for connectivity from local sources to areas we will use in Framework.

D. Reorganization

Rob (CGI) we are in the process of some internal reorganization. Everett will be overseeing the NHD process. It is a big conflation activity. He was manager over the conflation of other parts of Framework and we are going to utilize his skills and abilities in that area. The internal daily operations, which are changing too within the Framework program, are going to be now under the direction of Krisanne McConnell. She has been with our office for 9 years and she has been involved in the Framework, but has also been a successful project manager in other areas. She brings a wealth of experience with her. She will be attending these meeting regularly because that is one of the core data

discussion items that we have often here and Everett will be in and out some too, as he reports on NHD. We will continue to have some point people for areas of the state. We are still working on staff assignments. They will have dual duties and certain areas of responsibility as well.

III. MDNR Projects and Activities

Sherm Hollander, Michigan Department of Natural Resources (MDNR) had question regarding GIS Council mentioned at last meeting how is it organized?

Rob (CGI) it is going to be organized out of the Governor's Office. Some of the planning meetings for that have not yet occurred. Essentially what they are looking for is policy level recommendations that will come in from a variety of areas around the state, including state government, to help set direction for geographic information technology. The key thing is that it is a balance of technical knowledge, but with very strong leadership ties, so that we are not just talking within ourselves. The importance is that the key program areas around the state have links to those, whether it is Homeland Security, Elections, Roads or Environmental. To have folks that are connected and will be able to make some change.

Sherm Hollander, Michigan Department of Natural Resources (MDNR) we are in the process of getting a contract out for aerial imagery for State Forest land. This has been an ongoing project for 3 or 4 years. If the funding is available, to fly the whole state forest land all at once, then we will have some fairly broad coverage's that some of the counties might be interested in.

IV. MDOT Projects and Activities

Joyce Newell, Michigan Department of Transportation (MDOT) we are working with Version 5 to get it into the right format for Asset Management and for use within the department that our staff will use for mapping purposes. Next week will be the Forest training sessions in the Upper Peninsula (UP). There are 7 training sessions being planned. We are also gearing up to start up the program for local traffic counting on local roads. Because of Federal requirements for the Highway Performance Monitoring System (HPMS) we need to get a better handle on the traffic for local universe sections. We sample a certain number of segments out of each category every year and have to count those segments. We move the categories based on the AADT (Annual Average Daily Traffic) ranges. The AADT ranges we are using are based upon data collected in the 1980's for a needs file and they need to update that base data. We are asking the Regions and MPO's (Metropolitan Planning Organizations) to look at the Federal Aid System telling us how many uniform traffic segments they have. Then setting up a funding program assisting them in doing some of those counts for us. We need to move forward with this project or risk losing some funding for it. One other thing is a slight reorganization in our area. We have had a GIS team that has responded to my Manager, Gil Chesbro as our GIS Coordinator. He is still our GIS Coordinator for the department, but the GIS Team is now GIS Staff and relocated into my unit and we are in the process

of hiring more staff. So, I am taking on more responsibility. Basically will train department staff and give support for the work ahead.

V. MDEQ Projects and Activities

David Slayton, Michigan Department of Environmental Quality (MDEQ) we have had some discussion with MDIT (Michigan Department of Information Technology) about rolling out mapping for every workstation that MDEQ owns. It is becoming a very popular software package. We have also had some discussions with the State Emergency Operation Center in terms of what of our data sets they would like to have and they have prioritized those for us. We are going to provide that in a format that is consistent and has Meta Data to them.

VI. MSP Projects and Activities

A. Michigan Homeland Security GIS Advisory Committee

No Representative Present

Rob (CGI) just to give an update. The Homeland Security GIS Advisory Committee has made their final decision on funding for this coming year. We did not make the cut. A lot of program areas didn't make the cut. They had a significantly reduced amount of funding this year. We will look for other ways to continue to promote this and continue to keep it active.

VII. MDCH Projects and Activities

No Representative Present

VIII. MSI Projects and Activities

No Representative Present

IX. CGI Projects and Activities

Rob (CGI) just wanted to mention a rollout with the Asset Management Council. We are rolling out to Beta the Capital Preventive Maintenance Collection Tool. It is an Internet collection tool for collecting road improvements. It is a Data set that will be very important to local agencies, regional and MPO level. In addition, it will be a companion product to the Road Soft product line. This will be another tool that you can collect information. The goal is to share data back and forth from Road Soft and to have another module eventually to look at structural improvements. We roll out in Beta this week.

X. MSU Remote Sensing and GIS Research and Outreach Services Projects and Activities

Bill Enslin, Michigan State University (MSU) one update on the USDA (United States Department of Agriculture) aerial photography, the statewide flight for the summer. A contractor has been selected – Land/Air Mapping from Atlanta, Georgia. It will be 1-meter CIR (Color Infrared). Land/Air Mapping will also collect color photography at the same time. They will be using ADS camera that can take both pictures at the same time. Their product will be sold statewide.

XI. Counties/Local Projects and Activities

Valdis Kalnins, Allegan County, we have just started working on Framework Version 5. We are submitting changes and reconstruction to CGI in the Framework format. We are focusing on integration and on private roads that are missing from Framework. We were working through the QVF (Qualified Voter File) process and now we are working through Framework for the QVF process. Other than that, our number of external requests from local units and the general public has probably doubled over the last year.

XII. Regional Projects and Activities

Ann Burns, Southeast Michigan Council of Government (SEMCOG) we are also working with Version 5 of the Framework. For the first time we are working with the ESRI model builder to try to streamline the processes that we put it through to get it into a shape that folks can use at SEMCOG. We are also working on the Geo database migration. We contracted through Info Geographic and they are helping us with our Database design and the installation of SDE (Spatial Database Engine). We are also working on the flight and should take delivery of our pilot data next month.

Dan Dillenger, Tri-County Regional Planning Commission (TCRPC) we should be getting our first imagery data, QC's on June 10 as far as rectified images. About 1/3 of the images have been scanned. We are doing the work through Air/Land Surveys and Pinnacle. Pinnacle is doing the scanning and rectification.

XIII. Federal Projects and Activities

Gordon Rector, United States Census Bureau (USCB) we have been trying to nail down the counties that will go through the TIGER (Topologically Integrated Geographic Encoding and Referencing) modernization process next fiscal year, which starts October 1, 2005. Four Michigan counties, Chippewa, Iron, Machinac, and Osceola will be repositioned next year. We are hoping to put out the second version of the public release of TIGER LINE some time this summer. There are 23 counties that have gone through process but haven't been released in that public version. We are hoping to get into the maintenance phase of that sometime next year.

There is a meeting scheduled for later this summer for the Census Bureau to come here on site. These are people from Washington D.C. who want to talk about boundaries, annexations and many other things. We are still working on the final date.

Cathy Macaulay has started the process for the Redistricting, the next round. The state committee has been established. MCGI will be involved as well.

Charley Hickman, United States Geological Survey (USGS) I brought one handout. It is a fact sheet on GIS In Education from the USGS Office in Denver, Co. We are still waiting on the job announcement for the mapping liaison dedicated to Michigan. We expect that within the next few weeks. That person will be located in Lansing at the USGS Office.

XIV. Other Issues

XV. Next Meeting Date

July 7, 2005, 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933